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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/561,973	12/22/2005	Kazuyuki Ohmoto	Q92245	1551	
65565 SUGHRUE-265	7590 11/23/200 5550	9	EXAMINER		
	LVANIA AVE. NW		DESAI, RITA J		
WASHINGTO	N, DC 20037-3213		ART UNIT	PAPER NUMBER	
			1625		
			NOTIFICATION DATE	DELIVERY MODE	
			11/23/2009	ELECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

SUGHRUE265550@SUGHRUE.COM USPTO@SUGHRUE.COM PPROCESSING@SUGHRUE.COM

		Application N	lo.	Applicant(s)		
Office Action Summary		10/561,973		OHMOTO ET AL.		
		Examiner		Art Unit		
		Rita J. Desai		1625		
The MAILING DATE of the Period for Reply	is communication ap	pears on the co	ver sheet with the c	orrespondence ad	ldress	
A SHORTENED STATUTORY WHICHEVER IS LONGER, FR - Extensions of time may be available under after SIX (6) MONTHS from the mailing d - If NO period for reply is specified above, I - Failure to reply within the set or extended Any reply received by the Office later than earned patent term adjustment. See 37 0	OM THE MAILING D r the provisions of 37 CFR 1.1 ate of this communication. the maximum statutory period period for reply will, by statute three months after the mailin	DATE OF THIS 136(a). In no event, h will apply and will expert e, cause the application	COMMUNICATION owever, may a reply be tim ire SIX (6) MONTHS from on to become ABANDONE	J. hely filed the mailing date of this c ⊃ (35 U.S.C.§ 133).		
Status						
Responsive to communic 2a) This action is FINAL . 3) Since this application is i closed in accordance wit	2b)∭ This n condition for allowa	s action is non- ance except for	formal matters, pro		e merits is	
Disposition of Claims						
4)	<u>1-13 and 19-21</u> is/ar owed. o is/are rejected. ected to.	re withdrawn fro				
9) The specification is object 10) The drawing(s) filed on Applicant may not request t Replacement drawing shee 11) The oath or declaration is	is/are: a) account any objection to the correction including the correction is	cepted or b) () or b)	eld in abeyance. See the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 Cl		
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Draw 3) Information Disclosure Statement(s) Paper No(s)/Mail Date 8/19/09, 8/28/	ing Review (PTO-948) (PTO/SB/08)	4) 5) 6)	Interview Summary Paper No(s)/Mail Da Notice of Informal P Other:	ite		

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DETAILED ACTION

Claims 1-21, 23-25 are pending.

Clams 23-25, 14-18 are under examination and stand rejected.

Elected group is Va. As given by,

V(a), claims 23-25, 14-18 drawn to compounds and composition wherein A3 is a benzene, pyridine, pyrazine or a pyrimidine and R6 and R7 do not form a ring and R2, R3, R6 and R7 are each independently C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, a hydroxyl, C1-Malkoxy, mercapto, C1-Malkylshio, amino,NR104R105, carboxyl, C1-6 alkoxycarbonyl, nitro, cyano, a halogen atom, oxo, acyl, formyl or tri(C1-6alkyl)silyl. (formula I-3-2 and not I-3-4 which requires both R4R5 and R6R7 to form a ring.)

The withdrawn claims have not been cancelled.

The rejection under 35 USC 112 still stands. Applicants amended does not overcome the rejection. The arguments that applicants have made 75 working examples is not convincing. Applicants claims are drawn to compounds with numerous hetero cyclic and large substituents at various places and off of substituents.

The compounds made by the applicants which fall within the elected group are given below.

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CN Ethanone, 1-[1'-(3-fluorophenyl)-1',2',3',9'-
tetrahydrospiro[cyclopentane-
1,4'-[4H]pyrido[3,4-b]indol]-2'-yl]- CN Spiro[cyclopentane-1,4'-
[4H]pyrido[3,4-b]indole],
2'-acetyl-1'-(3-fluorophenyl)-1',2',3',9'-tetrahydro- (9CI)
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CN Spiro[cyclopropane-1,4'-[4H]pyrido[3,4-b]indole], 2'-acetyl-1'-(3-fluorophenyl)-1',2',3',9'-tetrahydro- (9CI)

CN Spiro[cyclopentane-1,4'-[4H]pyrido[3,4-b]indole]-2'(3'H)-carboxamide, N-(3,5-dimethylphenyl)-1'-(3-fluorophenyl)-1',9'-dihydro-

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CN Spiro[cyclobutane-1,4'-[4H]pyrido[3,4-b]indole]-2'(3'H)-carboxamide, N-(3,5-dimethylphenyl)-1'-(3-fluorophenyl)-1',9'-dihydro-

CN Spiro[cyclopropane-1,4'-[4H]pyrido[3,4-b]indole]-2'(3'H)-carboxamide, N-(3,5-dimethylphenyl)-1'-(3-fluorophenyl)-1',9'-dihydro-

These compounds have a very limited scope of substitutents.

As these compounds do not have any other art, it would be unpredictable and would require an undue amount of experimentation.

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The instantly claimed compounds are not structurally similar to known compounds having the same activity and their pharmacological properties can not be predicted from their chemical structure, thus a disclosure that they possess a particular activity is not enough.

As a result necessitating one of ordinary skill to perform an exhaustive search for which compounds of the claims can treat disorders and if sufficient starting materials are available to make them.

Applicants specifications are devoid of the starting materials to make compounds with the various substitutuents. For e.g. A4 being substituted with a het ring,

R4 and R5 together forming a cycloalkyl ring and then further being substituted

R² and R² are together with their binding carbon atom to form C3-8 cycloalkyl which may be substituted with 1 to 4 substituent(s) optionally selected from C1-8 alkyl, C2-8 alkenyl, C2-8 alkynyl, a carbocyclic ring, a heterocyclic ring, hydroxyl, C1-8 alkoxy, amino, NR¹⁸⁴R¹⁹⁵, carboxyl, C1-6 alkoxycarbonyl, nitro, cyano, a halogen atom, oxo, acyl, formyl and tri(C1-6 alkyl)silyl;

And then again the B benzene being further substituted a carbocyclic ring or a hetero ring.

These substitutents with the numerous combinations and subcombinations is a very complex issue and making and using these compounds is very unpredictable especially in view of the fact that there are none in the prior art.

Thus the rejection has been maintained.

The Double patenting rejection over application 11/722623 is also maintained as applicants have not provided a TD as yet.

Clarification regarding claim 25: Claim 25 is also rejected.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rita J. Desai whose telephone number is 571-272-0684. The examiner can normally be reached on Monday - Friday, flex time..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Janet Andres can be reached on 571-272-0867. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Rita J. Desai/ Primary Examiner, Art Unit 1625

November, 9th 2009.